

SECRET

Approved For Release 2002/10/16 : CIA-RDP64B00187A000700170059-1

GUS-0170
Copy 1 of 3

10 March 1959

MEMORANDUM FOR : Eugene Kiefer

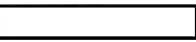
SUBJECT : Contract No. HL-4646, Convair, Fort Worth,
Statement of Work, Project GUSTO

1. Attached is the proposed statement of work for Definitizing
the subject contract. This was handcarried to Project Headquarters
on 9 March by of Convair.

2. Request that the attachment be reviewed by your office and
your approval and/or comments be given regarding the use of this
proposal for definitizing the subject contract.

25X1A


Contracting Officer

25X1A
DPD-DD :arp
Distr.

Orig. - E. Kiefer
2.HL-4646 Prop. Sec
3. - Chrono

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SECRET

STATEMENT OF WORK

GENERAL

Contractor will conduct a four and one-half month design study to establish a configuration compatible with the performance requirements of Letter CHAM-0085. The work will include:

I. Analysis and Design - This design study will embrace technical analyses, design layouts and tests directed to solutions of electronics effects, L/D, ram recovery and structural design. Coordination with the engine contractor will be carried out.

II. Models and components - Design, construction and tests of models and components in accordance with Schedule PFY-204-0 will be carried out to provide wind tunnel data, structural and electronic data.

III. Manufacturing Research - Preliminary exploration of manufacturing and processing techniques will be accomplished to study feasibility of structural design.

IV. Subsystems - Studies, preliminary layouts and analyses of the required subsystems will be carried out including surveys of the state of the art and existing systems developments. This work will serve as a preliminary to selection of possible vendors for the required subsystems.

MODEL AND COMPONENT SCHEDULE

1 1/2 MONTH PROGRAM

WIND TUNNEL PROGRAM

■ INLET RESEARCH MODEL	DESIGN & CONSTRUCT	JPL TEST	DESIGN & CONSTRUCT	MODIFY	JPL TEST
■ FORCE MODEL	DESIGN & CONSTRUCT			LRG TEST	EWI TEST
■ INLET DEVELOPMENT MODEL					DESIGN

STRUCT. & MATER. PROGRAM

I STRUCT. MAT

II NON-STRUCT. MAT

III PROCESS METHODS

IV STRUCT. COMP. ALLOW.

V WING BOX HEAT.

VI LEADING EDGES

DESIGN, TEST, SELECT MATERIALS

RADAR MODEL PROGRAM

■ FULL-SCALE COMPLETE MODEL	CONSTRUCT	TEST	MODIFY	REDESIGN	TEST	MODIFY	TEST
■ FULL-SCALE INLET MODEL	TEST	DESIGN & CONSTRUCT	TEST	REDESIGN	TEST	MODIFY	TEST
■ FULL-SCALE ENGINE TAILPIPE MODEL	DESIGN & CONSTRUCT	TEST	MODIFY	REDESIGN	TEST	MODIFY	TEST
■ 1/8 SCALE COMPLETE MODEL	DESIGN & CONSTRUCT	TEST & MODIFY		REDESIGN	TEST		
■ 1/4 SCALE COMPLETE MODEL		CONST. & TEST		REDESIGN	TEST		

LEGEND:

 INDICATES ADDED TASKS
TO BE COVERED BY TCR

3/7/59

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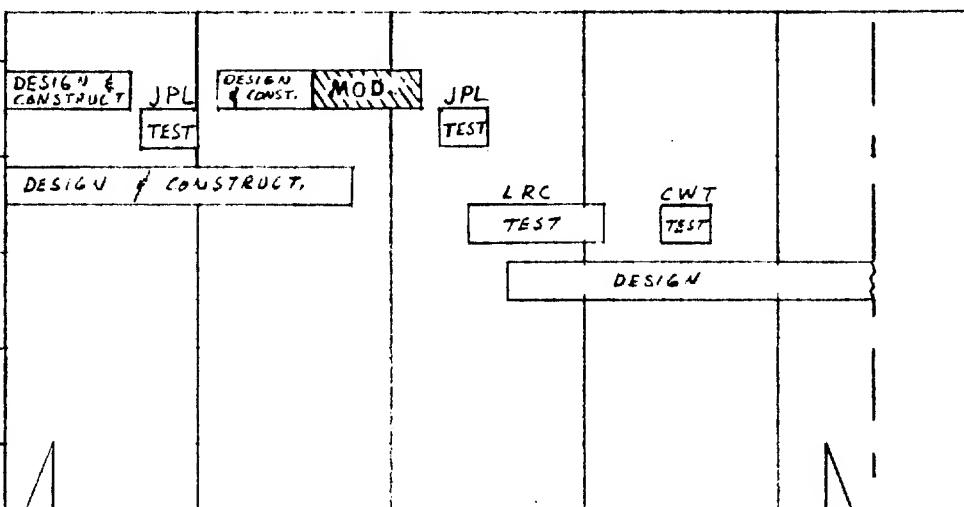
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MODEL AND COMPONENT SCHEDULE
4 1/2 MONTH PROGRAM

WIND TUNNEL PROGRAM

- INLET RESEARCH MODEL
- FORCE MODEL
- INLET DEVEL. MODEL

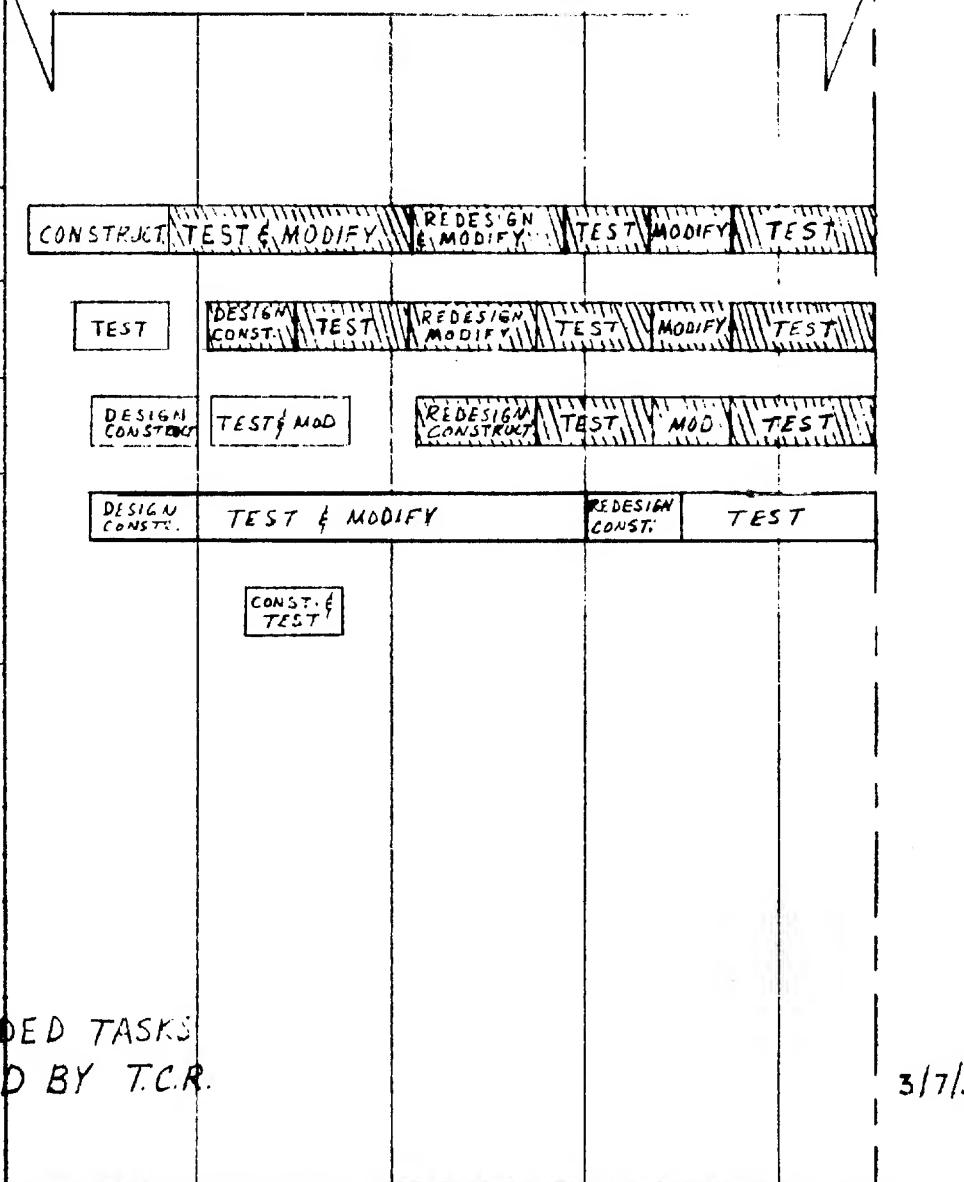


STRUCT. & MAT. PROGRAM

- I STRUCT. MAT
- II NON-STRUCT. MAT
- III PROCESS METHODS
- IV STRUCT. COMP. ALLOW.
- V WING BOX HEAT.
- VI LEADING EDGES

RADAR MODEL PROGRAM

- FULL-SCALE
COMPLETE MODEL
- FULL-SCALE
INLET MODEL
- FULL-SCALE ENGINE
- TAIL PIPE MODEL
- 1/8 SCALE
COMPLETE MODEL
- 1/46 SCALE
COMPLETE MODEL



LEGEND:

 INDICATES ADDED TASKS
TO BE COVERED BY T.C.R.

3/7/59

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